

New compact planers: Mastering every work process while sitting

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Bomag has further developed its compact cold planers: At Bauma 2019, the company is launching the BM 500/15 and BM 600/15 (exhibition stand: FS 1009). The second-generation machines make a convincing impression with numerous new functions and improvements in detail to increase ease of use and further boost productivity. Both models are equipped with a powerful 105 kW diesel drive, which of course meets the stringent Stage 5 emissions standard, and is ready for EU emissions level V.

Since their market launch at Bauma 2010, Bomag compact planers have made a name for themselves in more than just the areas of repair work, the removal of asphalt strips, and precise milling of joints or close to manhole covers and kerbs. The new BM 500/15 and BM 600/15 cold planers have a working width of 500 mm or 600 mm, offering a further 20% increase in area output. With a milling depth of up to 210 mm, the machines cover a wide range of applications and impress users with their excellent milling performance, high flexibility and well-thought-out operating solutions.

Improved ergonomics for operators

A particular highlight of the second generation is the completely revised comfortable workspace. The entire platform, including the operating controls, is isolated from oscillation and thus free of any stressful vibrations. From here, the planer operator can perform all operations safely in an ergonomic sitting position without having to stand up. All the functions are easily accessible from a seated position, and a high comfort seat that can be swivelled by 45 degrees makes for good visibility - both of the loading truck and of the left-hand side plate and milling edge. Ergonomically shaped armrests support a healthy posture when seated.

In addition, a graphic 7-inch colour display has been installed into the planer's modern cockpit. This enables the operator to keep an eye on all the relevant parameters for high surface quality such as milling depth, cutting or milling speed, and provides intuitive access to important machine functions.

Especially practical: The height of the planer can be proportionally adjusted and controlled via two levers on the steering wheel and buttons on the joystick - either in fast traverse rate for long paths or in precision traverse rate when precision and delicate work are required. The new function perfectly combines speed and

precision, saving valuable time on the site.

Machine operation made easy

When redesigning the instrument panel, Bomag engineers made sure that digital and analogue control functions complement each other perfectly and that the user has the greatest possible practical benefit. The result is a self-explanatory user concept that makes operating errors almost impossible. After just a short introduction, experienced planer operators can already handle the new machine confidently and relaxed. The operation of the automatic levelling system has now also been integrated into the 7-inch full-graphic display, thus providing an optimum overview. This means that Bomag's compact planers are technologically on a par with their larger siblings, which, with a milling width of up to 2.200 mm are used primarily in large-scale projects on motorways, main roads and airports. The display shows both milling depths and slope. It is possible to switch between both sensors during the milling operation; the system remembers the set target values.

Everything covered

Thanks to the optional weather protection roof, which is now slightly larger than before, the operator and planer are even better protected from the elements. The roof in the distinctive Bomag design can be easily adjusted vertically and horizontally at any time while seated, which is a great advantage on cramped construction sites. Bomag's engineers achieved these and numerous other improvements in detail by listening carefully to the valuable feedback from customers.

New conveyor belt for greater flexibility and optimum traction

The conveyor belt was optimised for loading the milled material: the larger swivel angle, which Bomag achieved without reducing the belt width, now offers even greater flexibility for the uniform and complete loading of trucks - even in cramped conditions on bends. This now makes loading processes even more efficient and saves costs. Thanks to its consistent lightweight construction, even the hydraulic folding belt alters the centre of gravity so little that there is always optimum traction on the front axle. This also pays off in a doubling of the transport speed, so that the planers can now be moved even faster from site to site. Thanks to the innovative quick coupling, the loading conveyor can be disconnected and reconnected by a single person in just 2 to 3 minutes.

Maintenance-friendly design

Efficient water injection is also essential for a cold planer: on the one hand, it immediately binds the dust, and on the other, the water cools the cutters. Bomag's water sprinkler system for planers effectively cools the cutting tools, thus extending their service life and reducing operating costs at the same time.

With the new high-performance 3 in 1 water pump, filling, sprinkling and washing is now even faster. The water flow can be easily regulated via the control panel. The filling time of less than 5 minutes provides a further convincing argument, and significantly reduces downtimes. Due to its modular design, the pump can also be maintained very easily.

In addition, the introduction of a new oil purification concept further increased quality and service life.

Source: BOMAG GmbH